

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/018540

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B01J23/89 B01J23/656 B01J23/60 B01D53/94

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B01J B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 245 307 B1 (INUI SATOSHI ET AL) 12 June 2001 (2001-06-12) examples 1-36	1-8
X	EP 0 304 095 A (ENGELHARD CORPORATION) 22 February 1989 (1989-02-22) examples I-III	1-6, 8
X	US 4 504 598 A (ONO ET AL) 12 March 1985 (1985-03-12) examples 1-17	1, 2, 5-8
X	US 3 867 309 A (OLECK ET AL) 18 February 1975 (1975-02-18) claims 1-14 examples 10-12 table VI	1-4, 6, 8
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

2 February 2005

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X	US 5 756 057 A (TSUCHITANI ET AL) 26 May 1998 (1998-05-26) examples 14-16, 34-38 table 1 -----	1, 2, 5-8
X	EP 0 449 423 A (NIPPON SHOKUBAI KAGAKU KOGYO CO. LTD; NIPPON SHOKUBAI CO., LTD) 2 October 1991 (1991-10-02) examples 4, 6, 7 tables 1, 2 -----	1, 2, 5-8

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